

DERWENT-ACC-NO: 1997-298478

DERWENT-WEEK: 199727

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TITLE: Blasting appts. for underground and
surface mining - has
sequence of row control device which is connected to
monitors to enable sequential
initiation of blasting in
each row, from time base

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PRIORITY-DATA: 1995ZA-0004103 (May 19, 1995)

PATENT-FAMILY:

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LANGUAGE		MAIN-IPC	
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
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RELATED-ACC-NO: 1997-298479, 1997-298480

ABSTRACTED-PUB-NO: ZA 9607019A

BASIC-ABSTRACT:

The appts. includes a row monitor connectable to at least one row of sequentially connected detonators to enable commencement of a sequence of blasting detonators in that row from a base time. A control device is connected to a sequence of row monitors to enable sequential initiation of blasting in each row, from the time base.

A remotely located blast initiator is arranged to instruct the control device to initiates the blast. The Row monitor has a time delay device with an insertable time delay unit of predetermined delay capacity. A remotely located blast controller has radio transmitter and receiver for secure communication with the blast initiator.

ADVANTAGE - Provides easy and safe set up of blast and blast sequence.

CHOSEN-DRAWING: Dwg.1/2

TITLE-TERMS: BLAST APPARATUS UNDERGROUND SURFACE MINE
CONTROL DEVICE CONNECT

SEQUENCE ROW MONITOR ENABLE SEQUENCE INITIATE
BLAST ROW TIME BASE

DERWENT-CLASS: Q79 T01 T06 X25

EPI-CODES: T01-J07; T06-D11; X25-D02;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1997-246635

